



110905

281 U.S. PTO

## BEST AVAILABLE COPY

Figure 3 A

poly(amic acid) having molecular  
weight of 1000

HanoScope

Scan size

Setpoint

Scan rate

Number of samples

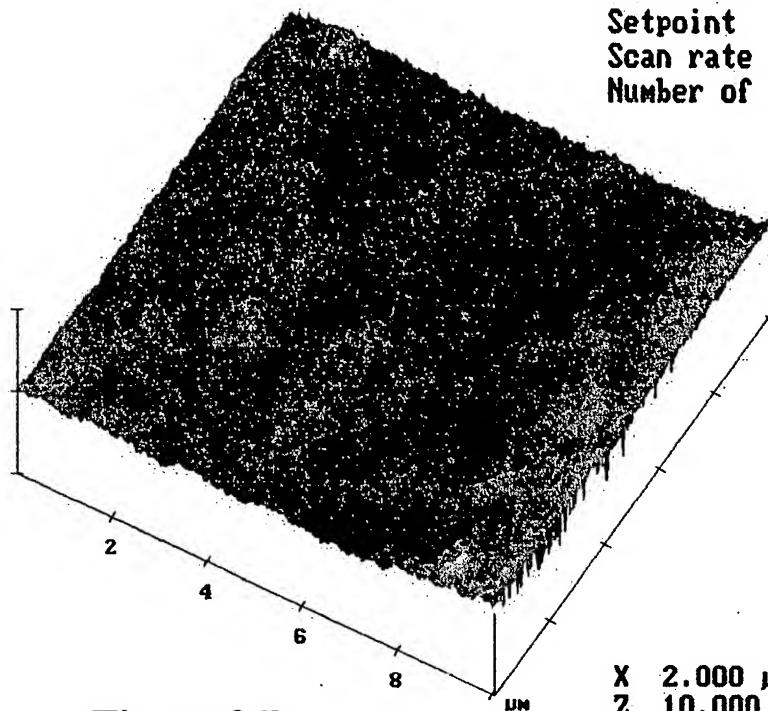
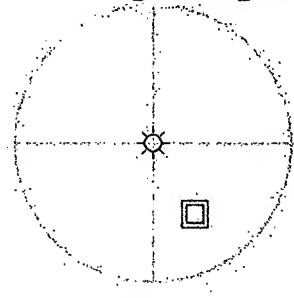
Tapping AFM

10.00  $\mu\text{m}$ 

0.6629 V

1.001 Hz

256

view angle  
light angleX 2.000  $\mu\text{m}/\text{div}$   
Z 10.000 nm/div

0 deg

Figure 3 B

poly(amic acid) having molecular  
weight of 5000

Digital Instruments NanoScope

Scan size

5.000  $\mu\text{m}$ 

Scan rate

1.001 Hz

Number of samples

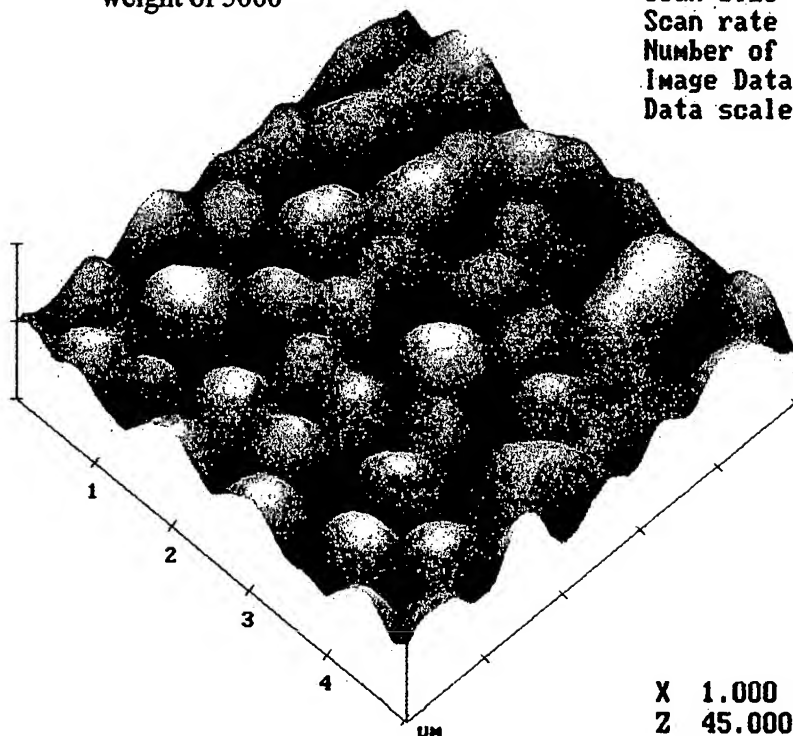
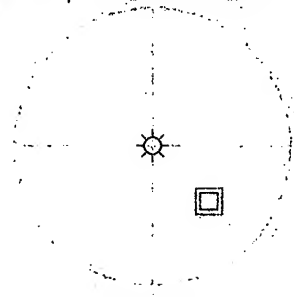
256

Image Data

Height

Data scale

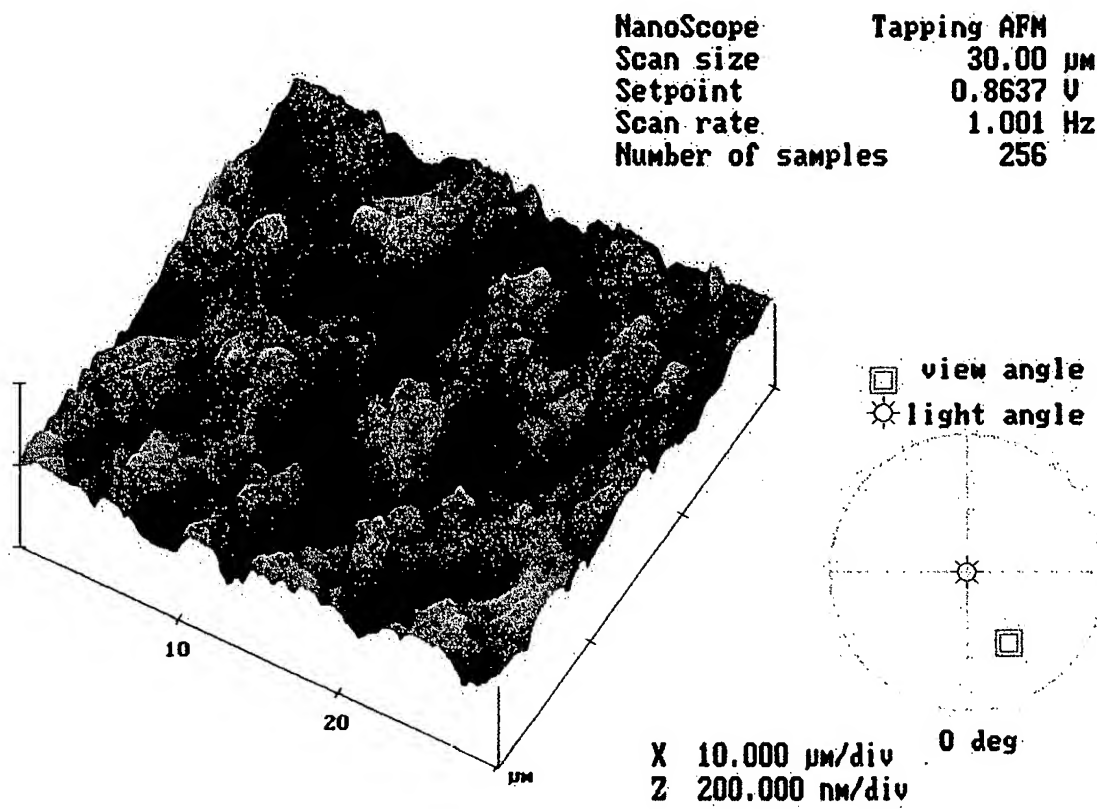
45.00 nm

view angle  
light angleX 1.000  $\mu\text{m}/\text{div}$   
Z 45.000 nm/div

0 deg

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**Figure 3 C**  
poly(amic acid) having molecular  
weight of 1000 without addition  
of coupling agent



REPLACEMENT SHEET

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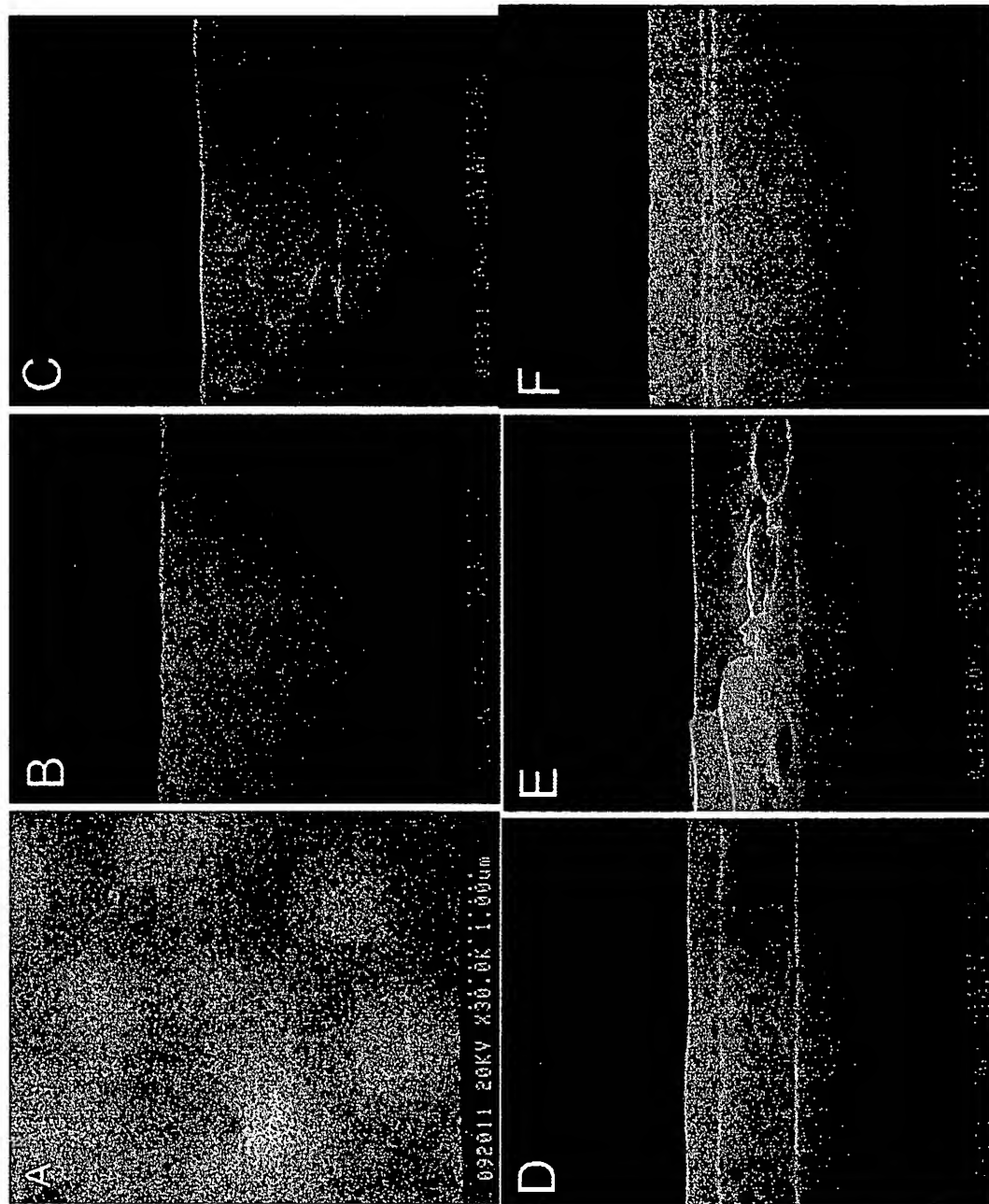


Figure 5